

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (cancel)

Claim 2 (currently amended): A method ~~to detect~~ of detecting breast cancer comprising the steps of:

- (a) obtaining a test sample from a patient;
- (b) detecting ~~presence of at least one polypeptide~~ a combination of polypeptides in said test sample selected from the group consisting of ~~mammaglobin, BU101, and BS106, in said sample,~~ (1) BS106 (SEQ ID NO:8) and BU101 (SEQ ID NO:6), (2) BS106 (SEQ ID NO:8) and mammaglobin (SEQ ID NO:5) and (3) BS106 (SEQ ID NO:8) and multimeric polypeptide antigen (MPA), wherein said MPA comprises at least one BU101 polypeptide (SEQ ID NO:6) and at least one mammaglobin polypeptide (SEQ ID NO:5), presence of said ~~at least one polypeptide~~ combination of polypeptides indicating presence of breast cancer in said patient.

Claim 3 (currently amended) A method of detecting ~~the presence of~~ breast cancer comprising the steps of:

- (a) obtaining a test sample from a patient;
- (b) contacting said test sample with ~~at least two~~ antibodies specific respectively for BS106, mammaglobin, BU101 and a multimeric antigen (MPA) each member of a combination of polypeptides, wherein said combination is selected from the group consisting of (1) BS106 (SEQ ID NO:8) and BU101 (SEQ ID NO:6), (2) BS106 and mammaglobin (SEQ ID NO:5) and (3) BS106 (SEQ ID NO:8) and MPA, wherein said multimeric antigen MPA comprises at least one BU101 polypeptide and at least one mammaglobin polypeptide, wherein said contact is for a time and under conditions sufficient to allow ~~formulation~~ formation of antigen/antibody complexes of each member of said combination; and

(c) detecting said complexes of each member of said combination, wherein
~~the presence of said complex~~ complexes indicates the indicating presence of breast cancer
in said patient.

Claim 4 (currently amended): A method of diagnosing breast cancer in a patient
comprising the steps of:

- (a) preparing a tissue section or cell culture derived from a tumor
excised from said patient;
- (b) exposing said tissue section or cell culture to ~~an antibody~~ two antibodies
specific respectively for ~~at least two of the following polypeptides: BS106,~~
~~mammaglobin and BU101~~ each member of a combination of polypeptides
selected from the group consisting of (1) BS106 (SEQ ID NO:8) and
mammaglobin (SEQ ID NO:5), (2) BS106 (SEQ ID NO:8) and mammaglobin
(SEQ ID NO:5) and (3) BS106 (SEQ ID NO:8) and MPA, for a time and under
conditions sufficient to allow formation of antigen/antibody complexes of each
member of said combination; and
- (c) localizing presence of said complexes of each member of said
combination in said tissue section or cell culture, ~~wherein the presence~~ presence of
said complexes ~~indicates the~~ indicating presence of breast cancer in said patient.

Claim 5 (cancel)